



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q78397

Masaru KURIBAYASHI, et al.

Appln. No.: 10/705,955

Group Art Unit: 2837

Confirmation No.: 6712

Examiner: Tyrone W. SMITH

Filed: November 13, 2003

For: VEHICULAR GENERATOR-MOTOR SYSTEM

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed foreign documents is submitted herewith.

The present Information Disclosure Statement is being filed (without a Statement Under 37 C.F.R. § 1.97(e)) after the later of three months from the application's filing date and the mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), and therefore a check for the fee of \$180.00 under 37 C.F.R. § 1.17(p) is attached.

03/13/2006 HAL111 00000080 10705955

01 FC:1806

180.00 DP

INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No.: 10/705,955

Attorney Docket No.: Q78397

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits the following explanations:

JP 2001-016900A discloses a starting generator which serves as both a starting motor at the starting stage and as a charging generator after the starting of the engine, but, does not disclose at least some of the unique features of the present invention such as "when the machine is operated as a motor, the control device controls the converter so as to restrict the armature current at the time of low speed rotation".

JP 2002-191158A (corresponding US 6,713,882) discloses a vehicle motor-generator apparatus which during a short time interval at the commencement of engine starting, the armature winding is driven by a current such that magnetic flux is produced by the field winding acting in the same direction as magnetic flux produced by the armature winding, to thereby achieve increased torque during the time when maximum torque is required. But, again, at least some of the unique features of the present invention are not disclosed in the prior art.

JP 07-001975 only discloses soft starting of the motor to prevent a battery from flowing out a large current.

Additionally, Applicant is submitting herewith an English language abstracts for **JP 2001-016900A**, **JP 2002-191158A**, **JP 07-001975** and **JP 09-297076 A**. Furthermore, for **JP-09297076**, Applicant is submitting herewith European Search Report indicating the degree of relevance of the foreign language document.

No further concise explanation for such foreign language documents is required.

INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No.: 10/705,955

Attorney Docket No.: Q78397

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of the paper is attached.

Respectfully submitted,



Nataliya Dvorson
Registration No. 56,616

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: March 10, 2006

Attorney Docket No.: Q78397

Substitute for Form 1449 A & B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

| | |
|------------------------|--------------------|
| Application Number | 10/705,955 |
| Confirmation Number | 6712 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Masaru KURIBAYASHI |
| Art Unit | 2837 |
| Examiner Name | Tyrone W. SMITH |
| Attorney Docket Number | Q78397 |

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|--------------------|-----------------------|-----------------|--------------------------------------|--------------------------------|---|
| | | Number | Kind Code ² (if known) | | |
| | | US 5973482 | A | 10-26-1999 | MEINERT et al. |
| | | US 4629968 | A | 12-16-1986 | BUTTS et al. |
| | | US 6,713,882 | B2 | 03-30-2004 | YASUDA |
| | | US | | | |
| | | US | | | |
| | | US | | | |
| | | US | | | |
| | | US | | | |
| | | US | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Translation ⁶ |
|--------------------|-----------------------|---------------------------|---------------------|--------------------------------------|--------------------------------|---|--------------------------|
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | |
| | | JP | 2001-016900 | A | 01-19-2001 | MITSUBA CORP | Abstract |
| | | JP | 2002-191158 | A | 07-05-2002 | DENSO CORP | Abstract & US '882 |
| | | JP | 07-001975 | A | 01-06-1995 | HONDA MOTOR CO LTD | Abstract |
| | | JP | 09-297076 | A | 11-18-1997 | MEIDENSHA CORP | Abstract |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | Translation ⁶ |
|--------------------|-----------------------|--|--------------------------|
| | | European Search Report | |
| | | | |
| | | | |
| | | | |
| | | | |

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.